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			50X1-HUM
	CLASSIFICATION		ŀ
	CENTRAL INTELLIGENCE AGENCY	REPORT	
	INFORMATION REPORT	CD NO.	
COUNTRY	East Germany		
SUBJECT	Minelaying and Minesweeping Vessels,		anustry 1959
	Type HABICHT	NO. OF PAGES 4	
PLACE ACQUIRED		NO. OF ENCLS.	
DATE OF			50X1-HUM
INFO.		SUPPLEMENT TO REPORT NO.	30X1-110101
T OF THE UNITED STATES OF U.S. C. 31 AND 32, AS (4) OF ITS CONTENTS IN A	UMS INFORMATION AFFECTING THE MATIONAL DEFENSE  B WITHIN THE MEANING OF THE SEPONACE ACT SO AMENDED. ITS TRANSMISSION OF THE SEVELATION AND MANUER OF OAM UNAUTHORIZED PERSON IS FRO- RODUCTION OF THIS FORM IS PROMINITED.		
	In the spring of 1958, two types of minelsyin	g and minesweeping	
	vessels, type HABICHT, were observed (type I and type II		50X1-HUM
	approximately 9 meters longer than thos	e of type I),	(T)
	The following technical data were obtained, I	t_could, however,	
	not be determined whether they belong to type	l or type II.	
•	(vessels of type III are the KRAKEs).		711-8
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	Measurements:		
	Length overall - 58.8 to 68 meters;		
	breadth - 8.0 meters (in bridge	ge 18vel 8.15 meter	<b>s</b> )
	maximum draft - (2.25 meters or) 2. draft (half cargo)	63 meters; - 2.54 meters;	
	height of the mast ~ 22 meters;		
	full displacement - 731 tons;		
	delta - 0.55 (mean value).		
	Sosed:		
	planned maximum 21 knots; actually 18 knots.		
	vessel at 480 revolutions per minute 1	12 Imates	50X1-HUM
•	at 520 * * * )	4 knots;	. 50×1-H01
•		l6 knots; l8 knots.	
	Propulsion:		
	2 scrows;		
	S-E-C-R-E-T	м.	~
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2 x 1,400 HP diesel e	ngines; 6 cylinders;	
vessels	MMM	50X1-HUM
Vessels	KVD 24 (or 43?) injection p of 60 atm gauge;	pressure
Vessels	DMW Rostock;	
air starter (30 atms 2 air bottles for eac gear reduction: 1 :1.		rovolutions
reversal in 3 to 10 a	econds at the most; with electric propulsion.	
after one year.	r 2,000 hours of operation, that is; and sanding-up of the cooling cha	
Fuel Consumptions		
at a speed of 9 knots estimated at 100 1/h	approximately 60 1/h (actually, ho	wover,
Operating Range:		
	autical miles at 17 knots; autical miles at 14 knots.	
Tankage Capacity:		
	70 to 75 tons in 12 storage tanks a excession tank; ne oil): approximately 5 tons; 89 tons, including 36 tons drinking and 6 tons feed water; the rest is 7 tons.	weter
Auxiliary Engines:	• ,	
room IV and pump re	uarter deck; vice and flooding pumps (one each i	
Mestal Installati	<u>001:</u> 220 V.	
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	- ) -	sun-ciu /		
(HABICHT II)		HABIGHT I		70
x 100 HP BW-Diesel generators -		)	- XX.0 KW 4 x 1.0	O BP 294 KW
x 40 HP BW-Diesel generators -		)	- 29.4 MV 1 x.2	מונים מונים
x to us paratagar Senera cors -	-	)	with many a species	
	220.6 kW	<i>)</i> .	260 . W	309kW
Logation of Rosines: (HABICHT	I:), 2 ve		generators in	
	4 V6	ssols: 3 diesel		
			generator in	
•	•		gine room on recestle	
Engines for Kabalfernrasumger		vice towed by the		
each boat 3 x 500 HP V-type en				
(HABICHT II): 2 x 8 KVD 21 S w				. Vid
Armoments		edam's accommon	2 paper 111 - 2 2 0 10	. Ket .
				Î
1 x 85 mm with 400 shots of a				
4 x 25-cm twin-AA gum with 30	U snots in	om each parrol;		
12 to 16 mines;				
2 depth charge chutes; 20 dep	th charges	;		
1 bow protection gear - SDGR;				
several sweeping devices				
Arrangement of the Different S	Sections &	board the Vessel	Ŀ	
Section I:	cloud a	hamber; jury-rud	der;	
Section II:	storage	for mine outfit	;	
SectionsIII and IV:	amminit	ion storage cham	ber (mageaine);	
Seption V:		room 1 (EW 1 with wring; that pump	h switch beesel.	ۋار. ئانچ
Section VI:	engine gearing	room 2 (port-ung	ine, starboard	i.
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Section VII	<b>1</b>	engine room 3 (st with switch board	tarboard engine; EW 2	
Section VII	I:	engine room 4 (Eddiesel generator)	d 4, degaussing-gears	
Section IX:		binnacle; auxilia	ary boiler;	
Section X:		C.O's room;		
Section XI:		carpenter store,	chain locker;	
Section XII: bosun's store and painter's store.				
doctor (sur	zeon) and the ci	ong other sections cabi def ingineer; store re organcy lighting set);	ooms for bread and	
The vessel h	ed a crew of 80	to 90 men abourd.		
		•		
	and double bott	the HABICHT type vessions section, platform of the vessel, the other main engines, water installations (2 sheet	deck, double wall, other shows the	_
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				The state of the s

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Sanitized Copy Approved for Release 2010/07/27: CIA-RDP80T00246A046300100001-6 50X1-HUM SECRET - NOFORN CLASSIFICATION COUNTRY East Germany REPORT SUBJECT Minelaying and Minesweeping Vessels, DATE OF REPORT 8 December 1958 Type HABICHT PLACE ACQUIRED Germany/Munich LAST REPORT ON SUBJECT (If applicable) 50X1-HUM In the spring of 1958, two types of minelaying and minesweeping vessels, type HABICHT, were observed 50X1-HUM The following technical data were obtained. It could, however, not be determined whether they belong to type I or type II. (vessels of type III are the KRAKEs). Measurements: Length overall 58.8 to 66 meters: breadth . 8.0 meters (in bridge level 8.15 meters) maximum draft (2.25 meters or) 2.63 meters; draft (half cargo) - 2.54 meters; height of the mast 22 meters; full displacement 731 tons: delta 0.55 (mean value). Speed: planned maximum 21 knots; actually 18 knots. 50X1-HUM Vessel at 480 revolutions per minute 12 knots; at 520 14 knots; at 600 16 knots: at 700 18 knots. Propulsion: 2 screws;

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2 x 1,400 HP diesel engines; 6 cylinders;

vessels

MIM

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vessels

KVD 24 (or 43?) injection pressure of 60 atm gage;

vessels

DMW Rostock;

air starter (30 atm gage per minute);
2 air bottles for each engine;
gear reduction: 1:1.77 (screws n<sub>max</sub> approximately 390 revolutions
per minute);
reversal in 3 to 10 seconds at the most;
two-stage compressor with electric propulsion.

General overhaul after 2,000 hours of operation, that is approximately after one year.

Frequent gear damage; and sanding-up of the cooling chamber of the engines.

### Fuel Consumptions

at a speed of 9 knots approximately 60 1/h (actually, however, estimated at 100 1/h).

### Operating Range:

approximately 2,400 nautical miles at 17 knots; approximately 2,800 nautical miles at 14 knots.

#### Tankage Capacity:

diesel engine fuel: 70 to 75 tons 1/m 12 storage tanks and one expension tank;

lubricating oil (engine oil): approximately 5 tons;

water:

boiler oil:

89 tons, including 36 tons drinking water and 6 tons feed water; the rest is ballast;

? tons.

## Auriliary Engines:

steering gear with button-control;

1 capstan windless;

1 boat winch on the quarter deck;

2 (general) water service and flooding pumps (one each in engine room IV and pump room)

2 fire service pumps (one each in engine room I and III)

#### Electrical Installation:

220 V i

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HABICHT I (HABICHT II) 147.2 kW ) 3 x 100 HP BW - 320 kW 4 x 100 HP 294 2 x 100 HP BW-Diesel generators -1 x 60 HP BW-Diesel generators 29.4 kW ) 1 x 40 HP 29.4 kW 1 x 20 HP

1 x 40 HP BW-Diesel generators -220.6 kV

of Engines; (HABICHT I:), 2 vessels: 4 diesel generators in EW 1 (power station); 4 vessels: 3 diesel generators in EW 1;

l diesel generator in the engine room on the forecastle.

Engines for Kabelfernrasumgerast: (a device towed by the vessel and connected with an electric cable):

each boat 3 x 500 HP V-type engines, totalling 1,500 HP - 1,100 kW; or (HABICHT II): 2 x 8 KVD 21 S with 700 HP each, totalling 1,400 HP - 1,030 kW.

## Armementi

1 x 85 mm with 400 shots of ammunition;

4 x 25-mm twin-AA gum with 300 shots from each barrel;

12 to 16 mines;

2 depth charge chutes; 20 depth charges;

1 bow protection gear - SDGR;

several sweeping devices

# Arrangement of the Different Sections Aboard the Vessel:

cloud chamber; jury-rudder; Section I:

storage for mine outfit; Section II:

amminition storage chamber (magazine); SectionsIII and IV:

engine room 1 (EW 1 with switch board, Section V: port gearing; fuel pump, electric compressor);

engine room 2 (port-engine, starboard Section VI: gearing);

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Section VII:

engine room 3 (starboard engine; EW 2

with switch board);

Section VIII:

engine room 4 (EW 4, degaussing-gears,

diesel generator);

Section IX:

binnacle; auxiliary boiler;

Section X:

C.O's room:

Section XI:

carpenter store, chain locker;

Section XII:

bosun's store and painter's store.

The upper deck includes among other sections cabins for the ship's doctor (surgeon) and the chief ingeneer; store rooms for bread and potatoes; EW 3 section (emergency lighting set); club rooms, and the galley.

The vessel had a crew of 80 to 90 men aboard.

Comment. For the arrangement of the different sections on the vessel, see Annex:

Annex 1: longitudinal cross-sectional view; platform deck; double wall; double bottom of the vessel.

Ammex 2: arrangement of the main engines: water service-, flooding- and fire service installations.

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